ELSEVIER

Journal of Alloys and Compounds 221 (1995) 291

Journal of ALLOYS AND COMPOUNDS

Author Index of Volume 221

Adachi, G.-Y., 200, 212
Adachi, H., 200
Ahmad, I., 180
Akahane, H., 218
Altunbaş, M., 264
Alver, Ü., 264
André, G., 254
Anres, P., 143

Baumgartner, B., 125
Bażela, W., 254
Beeri, O., 129
Blažina, Ž., 169
Bodak, O.I., 91
Book, D., 180, 187
Bourée, F., 254
Bros, J.P., 143
Buschow, K.H.J., 102, 105, 133, 197

Chen, Z., L4
Chhabra, R.P., L1
Chuang, Y.C., 60
Collocott, S.J., 114
Cömert, H., 264
Cornish, L.A., 153

Davies, H.A., 180
de Boer, F.R., 60, 133, 197, 248
Ding, J., 70
Drašner, A., 169
Dünner, J., 65
Dzhafarov, T.D., 264

Early, E.A., 1
Elish, E., 129
Ellner, M., 125
Escorne, M., 193

Figiel, H., 102
Fornasini, M.L., 280
Franzen, H.F., 15

Gaune-Escard, M., 143
Grin, Yu., 125
Gu, Z., 98
Gubbens, P.C.M., 133, 197
Guillot, M., 254
Guo, Q., 45, 50
Gwan, P.B., 114

Harris, I.R., 180, 187
Hayer, E., 143
Hiebl, K., 125
Higashi, I., 120
Hu, B.-P., 94
Hu, J., 94
Hulliger, F., L6, L11

Ishizawa, Y., L8
Isshiki, M., 267
Itagaki, K., 161
Iwasaki, J., 274

Jacob, I., 129
Jardim, R.F., 1
Jeitschko, W., 235
Jianu, A., 240
Jurczyk, M., 114

Kamegashira, N., 274
Kapusta, Cz., 102, 105
Kawano, K., 218
Kim, D.-Y., 161
Kimura, K., 120
Kleppa, O.J., 37, 45, 50
Kobayashi, M., 120
Kodentsov, A.A., 108
Kopya, A.İ., 264
Kou, X.C., 102
Kreiner, G., 15
Küçükömeroğlu, T., 264

Lai, W.-Y., 94
Larsson, A.-K., 136
Lee, J.-H., 174
Lee, J.-Y., 174
Lee, K.-Y., 174
Lee, S.-M., 174
Lee, S.-W., 267
Li, Q.-A., 133, 197, 248
Li, X.-W., 248
Li, Y., L4
Lidin, S., 136
Liu, J.P., 248
Liu, W., 60
Lord, J.S., 102, 105
Lu, Z.-H., 248
Lundström, T., 86

Ma, Y., 227
Manaf, A., 180
Manaila, R., 240
Manciu, M., 240
Manfrinetti, P., 157
Maple, M.B., 1
Matsuda, H., 120
McCormick, P.G., 70
Meli, F., 207, 284
Merlo, F., 280
Meschel, S.V., 37
Mewis, A., 65
Miao, W.F., 70
Mielke, A., 42
Mimura, K., 267
Moriuchi, K., 212
Mulders, A.M., 133, 197

Nakata, R., 218
Nicula, R., 240
Niemann, S., 235

Ohashi, H., L8
Ohtsuka, M., 161
Okada, S., 86
Oleś, A., 254
Ostoréro, J., 193
Otani, S., L8

Palenzona, A., 157
Pani, M., 280
Popescu, R., 240
Pratt, J.N., 153
Prots', Yu.M., 91

Qian, Y., L4

Rajagopal, H., 56
Riedi, P.C., 102, 105
Rieger, J.J., 42
Rogl, P., 125
Rouet, D., 193

Sakaguchi, H., 212
Sakai, T., 284
Salamakha, P.S., 91
Sastry, P.V.P.S.S., 56
Satoh, H., 274
Scheidt, E.-W., 42
Schlapbach, L., 207, 284
Schryvers, D., 227
Schwer, H., L6
Sequeira, A., 56
Shimizu, T., 274
Sikora, W., 254
Šorgić, B., 169
Stepen'-Damm, J., 91
Stewart, G.R., 42
Street, R., 70
Suenobu, T., 200, 212
Sumita, M., 218
Sun, X.K., 60
Szytuła, A., 254

Tanaka, I., 200
Tang, N., 248
Tergenius, L.-E., 86

van Beek, J.A., 108
van Loo, F.J.J., 108

Wang, J.-L., 248
Wang, K.-Y., 94
Wang, Y.-Z., 94
Wang, Z.-X., 94
Wiesinger, G., 102
Witusiewicz, V.T., 74

Xu, H.W., 274
Xue, B., L6

Yakhmi, J.V., 56
Yamagami, M., 212
Yamaguchi, K., 161
Yamaguchi, T., 212
Yang, F.-M., 248
Yang, H., 70
Yu, Y., 86

Zaplatynsky, O.V., 91
Zhang, D., 60
Zhang, M., 504
Zhang, Z.D., 60
Zhao, T., 60
Zhao, T.-Y., 248
Zhao, X.G., 60
Zhou, G., L4
Zhou, H., 98
Zhu, Y., L4
Zhuang, Y., 98
Züttel, A., 207, 284
Zygmunt, A., 254

Elsevier Science S.A.

ELSEVIER

Journal of Alloys and Compounds 221 (1995) 293–296

Journal of ALLOYS AND COMPOUNDS

Subject Index of Volume 221

Ag–Fe–Ti phase diagram
phase relations in the Ag–Fe–Ti system at 1123 K, 108
Alloying elements
removal of alloying elements from zirconium alloys by hydrogen plasma-arc melting, 267
Aluminium
magnetic properties of $Sm_2Fe_{17}N_y$ with Al substituted for Fe, 248
Amorphous
the HDDR behaviour of crystalline and amorphous rapidly quenched Nd–Fe–B, 180
Amorphous structure
the local structure around hydrogen atoms in a hydrogenated amorphous $LaNi_{5.0}$ film studied by neutron diffraction, 212
Anisotropy-RE compounds
nuclear magnetic resonance of neodymium in $NdFe_{11}TiN_x$, 102
nuclear magnetic resonance study of $Nd_2Fe_{17}N_x$, 105

Barium
$baCu_6P_2$ and $BaCu_6As_2$—two compounds with a periodic intergrowth of $ThCr_2Si_2$ and Cu structure-type segments, 65
Battery electrode application
passivation behavior of AB_5-type hydrogen storage alloys for battery electrode application, 284
Binary molten alloys
a simple method for estimating the viscosity of molten metallic alloys, L1
Bonding strengths
interstitial sites in the hydrogen-inactive intermetallic compounds $ZrPd_2$ and UPd_3, 129
Borides
standard enthalpies of formation of some borides of Ce, Pr, Nd and Gd by high-temperature reaction calorimetry, 37
Boron-rich solids
rietveld analysis of LiB_{13} with β-rhombohedral boron structure, 120

Charge/discharge kinetics
influence of electrode thickness on charge–discharge behaviour of AB_5-type metal hydride electrodes, 207
Chromium
the crystal structures of the closely related $CrSn_2$, $NiCr_5Sn_{12}$ and $NiCr_3Sn_8$ phases, 136
Clusters
correlation between the electronic structure and hydrogen absorption characteristics in rare earth intermetallic compound hydrides, 200
Coercivity
high coercivity Ba hexaferrite prepared by mechanical alloying, 70
Crystal structures
$BaCu_6P_2$ and $BaCu_6As_2$—two compounds with a periodic intergrowth of $ThCr_2Si_2$ and Cu structure-type segments, 65
a structural investigation of V_2B_3 by single-crystal diffractometry, 86
crystal structure of the compound $Nd_5Ag_{0.5}Si_{3.5}$, 91
$YbAgGa_2$: synthesis, crystal structure and magnetic behaviour, 125
the crystal structures of the closely related $CrSn_2$, $NiCr_5Sn_{12}$ and $NiCr_3Sn_8$ phases, 136
the phase diagram of the U–Sn system, 157
on the structural and hydrogen sorption properties of the $GdNi_{5-x}Al_x$ system, 169
structure, magnetic susceptibility and heat capacity of $ScMnO_3$, 274
crystal structure of $EuAu_2Al_2$, L6

Diffusion
diffusion of Ag in Bi(Pb)-Sr-Ca-Cu-O superconductors, 264
Diffusion couples
phase relations in the Ag–Fe–Ti system at 1123 K, 108
Disproportionation
the HDDR behaviour of crystalline and amorphous rapidly quenched Nd–Fe–B, 180
hydrogen absorption/desorption and HDDR studies on $Nd_{16}Fe_{76}B_8$ and $Nd_{11.8}Fe_{82.3}B_{5.9}$, 187
Distortions
electron spin resonance studies on locally additive low symmetry distortions in the mixed-crystal $Sr_{1-x}Ba_xF_2$ system monitored with Eu^{2+} dopants, 218
$DyFe_4Ge_2$
investigation of the magnetic properties and ^{57}Fe Mössbauer Effect in $DyFe_4Ge_2$, 133

Electrical resistivity
properties of polycrystalline $Nd_{1.85}Ce_{0.15}CuO_{4-y}$ prepared under different conditions, 1
electrical resistivity of the RMBi phases with R = Ca, Yb and M = Cu, Ag, Au, 280
Electrodes
influence of electrode thickness on charge–discharge behaviour of AB_5-type metal hydride electrodes, 207
Electronic structure
correlation between the electronic structure and hydrogen absorption characteristics in rare earth intermetallic compound hydrides, 200
Electron spin resonance
electron spin resonance studies on locally additive low symmetry distortions in the mixed-crystal $Sr_{1-x}Ba_xF_2$ system monitored with Eu^{2+} dopants, 218
Empirical relations
thermodynamics of liquid binary alloys of the 3d transition metals with metalloids: generalization, 74
Enthalpies of formation
standard enthalpies of formation of some borides of Ce, Pr, Nd and Gd by high-temperature reaction calorimetry, 37

Elsevier Science S.A.

standard enthalpies of formation of gadolinium alloys, Gd+Me (Me≡Ni, Ru, Rh, Pd, Ir, Pt), by high-temperature direct synthesis calorimetry, 45
standard enthalpies of formation of terbium alloys, Tb+Me (Me≡Ni, Ru, Rh, Pd, Ir, Pt), by high-temperature direct synthesis calorimetry, 50
the Pt–In system: enthalpies of formation of liquid and solid alloys, 143
Enthalpy
thermodynamics of liquid binary alloys of the 3d transition metals with metalloids: generalization, 74
Enthalpy of mixing
the Pt–In system: enthalpies of formation of liquid and solid alloys, 143
Entropy
thermodynamics of liquid binary alloys of the 3d transition metals with metalloids: generalization, 74
Equilibrium hydrogen pressure
self-discharge characteristics of sealed Ni–MH batteries using $Zr_{1-x}Ti_xV_{0.8}Ni_{1.6}$ anodes, 174

Fe Mössbauer spectra
investigation of the magnetic properties and ^{57}Fe Mössbauer Effect in $DyFe_4Ge_2$, 133
Ferromagnets
on new Mo_2FeB_2-type representatives Ln_2Rh_2In, L11
Floating zone method
lattice constants and nonstoichiometry of WB_{2-x}, L8
Formation measurements
heat content and heat of formation measurements of $RNi_{5\pm x}$ alloys (R≡La, Ce, Pr or Nd) and heat balance in a reduction–diffusion process, 161

Gadolinium alloys
standard enthalpies of formation of gadolinium alloys, Gd+Me (Me≡Ni, Ru, Rh, Pd, Ir, Pt), by high-temperature direct synthesis calorimetry, 45
Gamma radiation
preparation and characterization of ultrafine powders of the YAg–Cu Alloy by γ-radiation method, L4
Garnets
magnetooptical properties of YIG:Sc single crystals, 193
Gibbs energy
thermodynamics of liquid binary alloys of the 3d transition metals with metalloids: generalization, 74

HDDR
the HDDR behaviour of crystalline and amorphous rapidly quenched Nd–Fe–B, 180
hydrogen absorption/desorption and HDDR studies on $Nd_{16}Fe_{76}B_8$ and $Nd_{11.8}Fe_{82.3}B_{5.9}$, 187
Heat balance
heat content and heat of formation measurements of $RNi_{5\pm x}$ alloys (R≡La, Ce, Pr or Nd) and heat balance in a reduction–diffusion process, 161
Heat capacity
structure, magnetic susceptibility and heat capacity of $ScMnO_3$, 274
Heat content
heat content and heat of formation measurements of $RNi_{5\pm x}$ alloys (R≡La, Ce, Pr or Nd) and heat balance in a reduction–diffusion process, 161
Heat treatment
high coercivity Ba hexaferrite prepared by mechanical alloying, 70
High resolution electron microscopy
the growth of Ni_5Al_3 in $L1_0$ martensite studied by in situ transmission electron microscopy and high resolution electron microscopy, 227
High temperature calorimetry
the Pt–In system: enthalpies of formation of liquid and solid alloys, 143
High temperature direct synthesis calorimetry
standard enthalpies of formation of gadolinium alloys, Gd+Me (Me≡Ni, Ru, Rh, Pd, Ir, Pt), by high-temperature direct synthesis calorimetry, 45
standard enthalpies of formation of terbium alloys, Tb+Me (Me≡Ni, Ru, Rh, Pd, Ir, Pt), by high-temperature direct synthesis calorimetry, 50
High-temperature reaction calorimetry
standard enthalpies of formation of some borides of Ce, Pr, Nd and Gd by high-temperature reaction calorimetry, 37
High-temperature studies
selected high-temperature studies of the molybdenum–palladium system, 153
Hybridization
hybridization effects in $U_2(Re,Os)B_6$ and $U(Ru,Os)B_4$, 42
Hydrides
self-discharge characteristics of sealed Ni–MH batteries using $Zr_{1-x}Ti_xV_{0.8}Ni_{1.6}$ anodes, 174
correlation between the electronic structure and hydrogen absorption characteristics in rare earth intermetallic compound hydrides, 200
Hydrogen
interstitial sites in the hydrogen-inactive intermetallic compounds $ZrPd_2$ and UPd_3, 129
the HDDR behaviour of crystalline and amorphous rapidly quenched Nd–Fe–B, 180
hydrogen absorption/desorption and HDDR studies on $Nd_{16}Fe_{76}B_8$ and $Nd_{11.8}Fe_{82.3}B_{5.9}$, 187
Hydrogen plasma-arc melting
removal of alloying elements from zirconium alloys by hydrogen plasma-arc melting, 267
Hydrogen sorption
on the structural and hydrogen sorption properties of the $GdNi_{5-x}Al_x$ system, 169
Hydrogen storage
correlation between the electronic structure and hydrogen absorption characteristics in rare earth intermetallic compound hydrides, 200
the local structure around hydrogen atoms in a hydrogenated amorphous $LaNi_{5.0}$ film studied by neutron diffraction, 212
Hydrogen storage alloys
passivation behavior of AB_5-type hydrogen storage alloys for battery electrode application, 284

Intermetallic compounds
nuclear magnetic resonance of neodymium in $NdFe_{11}TiN_x$, 102
nuclear magnetic resonance study of $Nd_2Fe_{17}N_x$, 105
electrical resistivity of the RMBi phases with R=Ca, Yb and M=Cu, Ag, Au, 280
crystal structure of $EuAu_2Al_2$, L6
Intermetallic lattices
interstitial sites in the hydrogen-inactive intermetallic compounds $ZrPd_2$ and UPd_3, 129
Interstitial nitrides
nuclear magnetic resonance of neodymium in $NdFe_{11}TiN_x$, 102
nuclear magnetic resonance study of $Nd_2Fe_{17}N_x$, 105
Iron
magnetic properties of $Sm_2Fe_{17}N_y$ with Al substituted for Fe, 248

Iron-rich compounds
magnetic properties of $RFe_{11.4}Nb_{0.6}$ and $RFe_{11.4}Nb_{0.6}N_x$ compounds (R = Y, Gd), 94
Isothermal sections
the isothermal section (500 °C) of the Gd–Cu–Ni ternary phase diagram, 98

Lanthanide intermetallics
on new Mo_2FeB_2-type representatives Ln_2Rh_2In, L11
Lattice constants
lattice constants and nonstoichiometry of WB_{2-x}, L8
Line broadening
electron spin resonance studies on locally additive low symmetry distortions in the mixed-crystal $Sr_{1-x}Ba_xF_2$ system monitored with Eu^{2+} dopants, 218
Liquid alloys
the Pt–In system: enthalpies of formation of liquid and solid alloys, 143
Lithium
Rietveld analysis of LiB_{13} with β-rhombohedral boron structure, 120

Magnetic behaviour
$YbAgGa_2$: synthesis, crystal structure and magnetic behaviour, 125
Magnetic measurements
magnetic ordering of TbCoSn and HoCoSn studied by neutron diffraction and magnetic measurements, 254
Magnetic ordering
magnetic ordering of TbCoSn and HoCoSn studied by neutron diffraction and magnetic measurements, 254
Magnetic properties
structure and magnetic properties of $R(FeVB)_{12}$ compounds, 60
magnetic properties of $RFe_{11.4}Nb_{0.6}$ and $RFe_{11.4}Nb_{0.6}N_x$ compounds (R = Y, Gd), 94
magnetic properties of high-energy ball-milled and HDDR processed $Nd_{12}Fe_{75-y}Co_yMo_{13}$ ($0 \le y \le 75$) powders and their nitrides, 114
investigation of the magnetic properties and ^{57}Fe Mössbauer Effect in $DyFe_4Ge_2$, 133
investigation of the magnetic properties and ^{57}Fe Mössbauer effect in $DyFe_4Ge_2$, 197
magnetic properties of $Sm_2Fe_{17}N_y$ with Al substituted for Fe, 248
Magnetic susceptibility
properties of polycrystalline $Nd_{1.85}Ce_{0.15}CuO_{4-y}$ prepared under different conditions, 1
hybridization effects in $U_2(Re,Os)B_6$ and $U(Ru,Os)B_4$, 42
structure, magnetic susceptibility and heat capacity of $ScMnO_3$, 274
Magnetooptics
magnetooptical properties of YIG:Sc single crystals, 193
Mechanical alloying
high coercivity Ba hexaferrite prepared by mechanical alloying, 70
Melt spinning
chemical trends of icosahedral order in Al–Cu–TM quasi-crystals, 240
Metal alloys
a new cluster concept and its application to quasi-crystals of the i-AlMnSi family and closely related crystalline structures, 15
Mixed crystals
electron spin resonance studies on locally additive low symmetry distortions in the mixed-crystal $Sr_{1-x}Ba_xF_2$ system monitored with Eu^{2+} dopants, 218
Molybdenum–palladium system
selected high-temperature studies of the molybdenum–palladium system, 153
Mössbauer effect
investigation of the magnetic properties and ^{57}Fe Mössbauer effect in $DyFe_4Ge_2$, 197

$Nd_2Fe_{14}B$
the HDDR behaviour of crystalline and amorphous rapidly quenched Nd–Fe–B, 180
Neodymium
crystal structure of the compound $Nd_5Ag_{0.5}Si_{3.5}$, 91
Neutron diffraction
neutron structural studies on Sr-free 2:2:0:1 phase $Bi_2(Ca_{0.65}Nd_{0.35})_2CuO_y$, 56
the local structure around hydrogen atoms in a hydrogenated amorphous $LaNi_{5.0}$ film studied by neutron diffraction, 212
magnetic ordering of TbCoSn and HoCoSn studied by neutron diffraction and magnetic measurements, 254
Nickel
the crystal structures of the closely related $CrSn_2$, $NiCr_5Sn_{12}$ and $NiCr_3Sn_8$ phases, 136
Nickel-metal hydrides
self-discharge characteristics of sealed Ni–MH batteries using $Zr_{1-x}Ti_xV_{0.8}Ni_{1.6}$ anodes, 174
Nitrides
magnetic properties of $RFe_{11.4}Nb_{0.6}$ and $RFe_{11.4}Nb_{0.6}N_x$ compounds (R = Y, Gd), 94
NMR-spin echo
nuclear magnetic resonance of neodymium in $NdFe_{11}TiN_x$, 102
nuclear magnetic resonance study of $Nd_2Fe_{17}N_x$, 105
Nonstoichiometry
lattice constants and nonstoichiometry of WB_{2-x}, L8

Overpotential
influence of electrode thickness on charge–discharge behaviour of AB_5-type metal hydride electrodes, 207

Passivation behavior
passivation behavior of AB_5-type hydrogen storage alloys for battery electrode application, 284
Permanent-magnet applications
structure and magnetic properties of $R(FeVB)_{12}$ compounds, 60
Phase diagrams
the phase diagram of the U–Sn system, 157
Phase transformations
the growth of Ni_5Al_3 in $L1_0$ martensite studied by in situ transmission electron microscopy and high resolution electron microscopy, 227
Platinum-indium alloys
the Pt–In system: enthalpies of formation of liquid and solid alloys, 143

Quasi-crystals
a new cluster concept and its application to quasi-crystals of the i-AlMnSi family and closely related crystalline structures, 15
chemical trends of icosahedral order in Al–Cu–TM quasi-crystals, 240

Rare-earth permanent magnets
magnetic properties of high-energy ball-milled and HDDR processed $Nd_{12}Fe_{75-y}Co_yMo_{13}$ ($0 \le y \le 75$) powders and their nitrides, 114

Rare earths
the rare earth rhenium aluminides $Y_{7.28}Re_{12}Al_{61.38}$ and $Ho_{7.32}Re_{12}Al_{61.48}$, 235
Rare-earth transition metal compounds
magnetic properties of high-energy ball-milled and HDDR processed $Nd_{12}Fe_{75-y}Co_yMo_{13}$ ($0 \leq y \leq 75$) powders and their nitrides, 114
Reduction–diffusion
heat content and heat of formation measurements of $RNi_{5\pm x}$ alloys (R≡La, Ce, Pr or Nd) and heat balance in a reduction–diffusion process, 161
Refining
removal of alloying elements from zirconium alloys by hydrogen plasma-arc melting, 267
Rhenium aluminides
the rare earth rhenium aluminides $Y_{7.28}Re_{12}Al_{61.38}$ and $Ho_{7.32}Re_{12}Al_{61.48}$, 235
Rietveld analysis
Rietveld analysis of LiB_{13} with β-rhombohedral boron structure, 120
Rietveld refinement
neutron structural studies on Sr-free 2:2:0:1 phase $Bi_2(Ca_{0.65}Nd_{0.35})_2CuO_y$, 56

Scandium
magnetooptical properties of YIG:Sc single crystals, 193
Scanning electron microscopy
selected high-temperature studies of the molybdenum–palladium system, 153
Silicon
crystal structure of the compound $Nd_5Ag_{0.5}Si_{3.5}$, 91
Silver
crystal structure of the compound $Nd_5Ag_{0.5}Si_{3.5}$, 91
diffusion of Ag in Bi(Pb)-Sr-Ca-Cu-O superconductors, 264
Single crystals
a structural investigation of V_2B_3 by single-crystal diffractometry, 86
Single crystal X-ray diffraction
crystal structure of $EuAu_2Al_2$, L6
Specific heat
hybridization effects in $U_2(Re,Os)B_6$ and $U(Ru,Os)B_4$, 42
Superconductors
diffusion of Ag in Bi(Pb)-Sr-Ca-Cu-O superconductors, 264
Synthesis
$YbAgGa_2$: synthesis, crystal structure and magnetic behaviour, 125

Terbium alloys
standard enthalpies of formation of terbium alloys, Tb + Me (Me ≡ Ni, Ru, Rh, Pd, Ir, Pt), by high-temperature direct synthesis calorimetry, 50
Ternary copper pnictides
$BaCu_6P_2$ and $BaCu_6As_2$ – two compounds with a periodic intergrowth of $ThCr_2Si_2$ and Cu structure-type segments, 65
Ternary phase diagrams
the isothermal section (500 °C) of the Gd–Cu–Ni ternary phase diagram, 98
Thermodynamical stability
chemical trends of icosahedral order in Al–Cu–TM quasicrystals, 240
Thermodynamics
the Pt–In system: enthalpies of formation of liquid and solid alloys, 143
Tin
the crystal structures of the closely related $CrSn_2$, $NiCr_5Sn_{12}$ and $NiCr_3Sn_8$ phases, 136
Tin alloys
the phase diagram of the U–Sn system, 157
3d Transition metals
thermodynamics of liquid binary alloys of the 3d transition metals with metalloids: generalization, 74
Transmission electron microscopy
the growth of Ni_5Al_3 in $L1_0$ martensite studied by in situ transmission electron microscopy and high resolution electron microscopy, 227

Ultrafine powders
preparation and characterization of ultrafine powders of the yAg–Cu Alloy by γ-radiation method, L4
Uranium alloys
the phase diagram of the U–Sn system, 157
Uranium compounds
hybridization effects in $U_2(Re,Os)B_6$ and $U(Ru,Os)B_4$, 42

Viscosity model
a simple method for estimating the viscosity of molten metallic alloys, L1

X-ray diffraction
magnetic properties of $Sm_2Fe_{17}N_y$ with Al substituted for Fe, 248

Zircaloy scrap
removal of alloying elements from zirconium alloys by hydrogen plasma-arc melting, 267
Zirconium alloys
removal of alloying elements from zirconium alloys by hydrogen plasma-arc melting, 267